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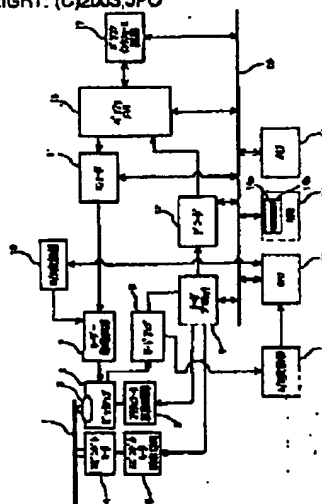
(54) OPTICAL DISK APPARATUS

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide an optical disk apparatus capable of stably reading out absolute time information and capable of recording on the whole surface of an optical disk.

SOLUTION: The optical disk apparatus includes a retrieval means 14b which obtains the focus bias voltage at which a tracking error signal amplitude becomes maximum when a servo processor 9 serially applies the focus bias voltage of a bias voltage table 14a and a CPU 13 which obtains an approximation expression for approximating the relationship between the optical disk radial position and the focus bias voltage, on the basis of the focus bias voltage obtained at a plurality of radial positions of the optical disk 1 by the retrieval means 14b before the recording. In the recording, the servo processor 9 adds the offset voltage obtained by the approximation expression to a focus error signal at each recording radial position to read the absolute time information of the optical disk 1.



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